

A' --6. A metal part and other surface modification and cleaning method according to Claim 1, in which the cavitating jet to be injected into said first vessel is sent to the cooling means from said first vessel 1 and returned to a cavitating jet pump after being cooled in said cooling means.--

---

--9. A metal part and other surface modification device according to Claim 7, in which said second vessel is configured to have a larger depth than a height of said first vessel.--

--10. A metal part and other surface modification device according to Claim 7, in which a substance with different acoustic impedance is arranged between said first and second vessels.--

--11. A metal part and other surface modification device according to Claim 7 through 9 above, in which the lid on said first vessel is closed with a specified force.--

--12. A metal part and other surface modification device according to Claim 7 above, in which a means of heating or cooling the fluid in said second vessel is provided.--

--13. A metal part and other surface modification device according to Claim 7, in which said part to be treated is loaded on a carriage means to carry such part to be treated.--

---

A3 --18. A metal part and other surface modification and cleaning device according to Claim 16, in which such device is so configured as to control the pressure of the fluid in said first vessel by such a fluid pressure regulator means as a valve or the like.--

--19. A metal part and other surface modification and cleaning device according to Claim 16, in which said part to be treated is immersed in the fluid in a second vessel.--

---

A4 --21. A metal part and other surface modification and cleaning device according to Claim 7, in which a means of cooling the cavitating jet fluid to be introduced into said first vessel is provided.--

--22. A metal part and other surface modification and cleaning device Claim 16, in which a pressurized fluid is poured into said first vessel as if it surrounded the cavitating jet fluid.--

---